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IBE - RIOS SANTIAGO

This book constitutes the refereed post-conference proceedings of the 6th International Workshop on Security of Industrial Control Systems and Cyber-Physical Systems, CyberICPS 2020, the Second International Workshop on Security and Privacy Requirements Engineering, SECPRE 2020, and the Third International Workshop on Attacks and Defenses for Internet-of-Things, ADIoT 2020, held in Guildford, UK, in September 2020 in conjunction with the 25th European Symposium on Research in Computer Security, ESORICS 2020. Due to COVID-19 pandemic the conference was held virtually The CyberICPS Workshop received 21 submissions from which 5 full papers were selected for presentation. They cover topics related to threats, vulnerabilities and risks that cyber-physical systems and industrial control systems face; cyberattacks that may be launched against such systems; and ways of detecting and responding to such attacks. From the SECPRE Workshop 4 full papers out of 7 submissions are included. The selected papers deal with aspects of security and privacy requirements assurance and evaluation; and security requirements elicitation and modelling and to GDPR compliance. From the ADIoT Workshop 2 full papers and 2 short papers out of 12 submissions are included. The papers focus on IoT attacks and defenses and discuss either practical or theoretical solutions to identify IoT vulnerabilities and IoT security mechanisms.

Innovative and conceptual uses of photography within a highly developed Soviet dissident culture are explored in this examination of photography's place in late Soviet unofficial art. Simultaneous.

Featuring more than one thousand new, rewritten, and updated entries, this timely reference on American politics explains current terms in politics, economics, and diplomacy and includes a new introduction and index. 25,000 first printing. \$30,000 ad/promo.

Published to accompany the 1994 exhibi-

tion at The Museum of Modern Art, New York, this book constitutes the most extensive survey of modern illustrated books to be offered in many years. Work by artists from Pierre Bonnard to Barbara Kruger and writers from Guillaume Apollinaire to Susan Sontag. An important reference for collectors and connoisseurs. Includes notable works by Marc Chagall, Henri Matisse, and Pablo Picasso.

Small sealed electrochemical power units have developed remarkably in the last two decades owing to improvements in technology and a greater understanding of the underlying basic sciences. These high-energy-density sealed battery systems have made possible the safe and rapid development of lightweight implantable electrical devices, some of which, such as heart pacers, have reached a large market. In most of these devices the battery constitutes the majority of the device volume and weight, and limits the useful life. This book on Batteries for Implantable Biomedical Devices will be highly welcome to those interested in devices for heart pacing, pain suppression, bone repair, bone fusion, heart assist, and diabetes control, as well as numerous other biomedical devices that depend on sealed batteries. However, the material will also be extremely useful to a much broader audience, including those concerned with sealed batteries for such other difficult environments as space, the sea and remote locations.

Spaceplanes From Airport to Spaceport presents a coherent, lucid, and optimistic picture of the future of the near future. Space vehicles may soon take off from international airports and refuel in space. New technologies could allow flights to take off regularly between the Earth and the Moon. The technical details presented explain precisely how all this can be accomplished within the next few decades. This book also explains why the Space Tourist market could easily become the single most important factor in the mid-term future development of space transportation. In a few years it will be possible to

board a spaceplane and fly into Earth orbit, and perhaps visit a space station. Later development could include refuelling in orbit to take a tour of cislunar space. The book's solid engineering foundation will be of interest to both space exploration enthusiasts and future space travelers.

Risk measures play a vital role in many subfields of economics and finance. It has been proposed that risk measures could be analysed in relation to the performance of variables extracted from empirical real-world data. For example, risk measures may help inform effective monetary and fiscal policies and, therefore, the further development of pricing models for financial assets such as equities, bonds, currencies, and derivative securities. A Special Issue of "Risk Measures with Applications in Finance and Economics" will be devoted to advancements in the mathematical and statistical development of risk measures with applications in finance and economics. This Special Issue will bring together the theory, practice and real-world applications of risk measures. This book is a collection of papers published in the Special Issue of "Risk Measures with Applications in Finance and Economics" for Sustainability in 2018.

Violent Python shows you how to move from a theoretical understanding of offensive computing concepts to a practical implementation. Instead of relying on another attacker's tools, this book will teach you to forge your own weapons using the Python programming language. This book demonstrates how to write Python scripts to automate large-scale network attacks, extract metadata, and investigate forensic artifacts. It also shows how to write code to intercept and analyze network traffic using Python, craft and spoof wireless frames to attack wireless and Bluetooth devices, and how to data-mine popular social media websites and evade modern anti-virus. Demonstrates how to write Python scripts to automate large-scale network attacks, extract metadata, and investigate forensic artifacts

Write code to intercept and analyze network traffic using Python. Craft and spoof wireless frames to attack wireless and Bluetooth devices. Data-mine popular social media websites and evade modern anti-virus.

Logistic systems constitute one of the cornerstones in the design and control of production systems and the modelling of supply chains. They are key to a number of industries, and courses teaching logistics systems planning and control are becoming more widespread. Introduction to Logistics Systems Planning and Control is the first book to present the quantitative methods necessary for logistics systems management at a level suitable for students of engineering, computer science and management science. It features introductory material on business logistics and covers sales forecasting, inventory management, warehouse design and management, and transport planning and control. Presents a balanced treatment of quantitative methods for logistics systems planning, organization and control. Each topic is illustrated with real examples. Features a number of case studies that show how the methods can be applied to complex logistics problems. Each chapter features an annotated bibliography of key references. Assumes only a basic knowledge of operations research. Supported by a Website featuring exercises and teaching material. Introduction to Logistics Systems Planning and Control provides an accessible self-contained introduction to the subject for researchers, practitioners, and students of logistics and supply chain management, in both academia and industry. The book has been developed from courses taught to engineering, computer science and management science undergraduate and graduate students.

This book constitutes the full research papers and short monographs developed on the base of the refereed proceedings of the International Conference: Information and Communication Technologies for Research and Industry (ICIT 2020). The book brings accepted research papers which present mathematical modelling, innovative approaches and methods of solving problems in the sphere of control engineering and decision making for the various fields of studies: industry and research, energy efficiency and sustainability, ontology-based data simulation, theory and use of digital signal processing, cognitive systems, robotics, cybernetics, automation control theory, image and sound processing, image recognition, technologies, and computer vision. The book contains also several analytical reviews on using smart

city technologies in Russia. The central audience of the book are researchers, industrial practitioners and students from the following areas: Adaptive Systems, Human-Robot Interaction, Artificial Intelligence, Smart City and Internet of Things, Information Systems, Mathematical Modelling, and the Information Sciences.

Reflects the latest applied research and features state-of-the-art software for building and solving spreadsheet optimization models. Thoroughly updated to reflect the latest topical and technical advances in the field, Optimization Modeling with Spreadsheets, Second Edition continues to focus on solving real-world optimization problems through the creation of mathematical models and the use of spreadsheets to represent and analyze those models. Developed and extensively classroom-tested by the author, the book features a systematic approach that equips readers with the skills to apply optimization tools effectively without the need to rely on specialized algorithms. This new edition uses the powerful software package Risk Solver Platform (RSP) for optimization, including its Evolutionary Solver, which employs many recently developed ideas for heuristic programming. The author provides expanded coverage of integer programming and discusses linear and nonlinear programming using a systematic approach that emphasizes the use of spreadsheet-based optimization tools. The Second Edition also features: Classifications for the various problem types, providing the reader with a broad framework for building and recognizing optimization models. Network models that allow for a more general form of mass balance. A systematic introduction to Data Envelopment Analysis (DEA). The identification of qualitative patterns in order to meaningfully interpret linear programming solutions. An introduction to stochastic programming and the use of RSP to solve problems of this type. Additional examples, exercises, and cases have been included throughout, allowing readers to test their comprehension of the material. In addition, a related website features Microsoft Office® Excel files to accompany the figures and data sets in the book. With its accessible and comprehensive presentation, Optimization Modeling with Spreadsheets, Second Edition is an excellent book for courses on deterministic models, optimization, and spreadsheet modeling at the upper-undergraduate and graduate levels. The book can also serve as a reference for researchers, practitioners, and consultants working in business, engineering, operations research, and management science.

A thorough history follows the evolution of

the New York subway system from visionary idea, through political machinations and feats of urban planning, to engineering reality, and looks at the diverse ways in which mass transportation has shaped New York City and the lives of its inhabitants. Reprint.

The Elevator and Escalator Specialist Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: electrical theory; electronic controls; electrical, mechanical and hydraulic devices and components; troubleshooting and repairs; workplace safety; and other related areas.

Dated July 2004

Despite the complexity of the subject, this wealth of information is presented succinctly and in such a way, using tables, diagrams and brief explanatory text, as to allow the user to locate information quickly and easily. Thus the book should be invaluable to those involved with the installation, commissioning and maintenance of data communications equipment, as well as the end user. A practical engineer's reference that puts the key information at your fingertips. Covers essential data, techniques and working practice. This update covers the latest international regulations. This new core textbook, underpinned by rigorous academic research and industry best-practice, offers a practical approach designed to provide students with the tools and techniques required to design and develop an operations strategy. Authored by two of the most well-respected authorities in the field, the book's clear and accessible content explains how operations strategy can create value for an organisation and positively impact on business performance. Case studies with international relevance and which draw on examples from a wide range of industry sectors help students to link theory and practice, develop analytical and problem-solving skills, and gain an understanding of operations strategy in the real world. This textbook caters primarily for MBA students studying modules in Operations Strategy or Operations Management, and is also suited to postgraduate students studying Operations Strategy on specialist courses such as Operations and Supply Chain Management or Logistics and Operations Management. In addition, this is an important text for final year level undergraduate students studying Operations Strategy or Strategic Operations Management.

A guide to the principles and methods of

data analysis that does not require knowledge of statistics or programming. A General Introduction to Data Analytics is an essential guide to understand and use data analytics. This book is written using easy-to-understand terms and does not require familiarity with statistics or programming. The authors—noted experts in the field—highlight an explanation of the intuition behind the basic data analytics techniques. The text also contains exercises and illustrative examples. Thought to be easily accessible to non-experts, the book provides motivation to the necessity of analyzing data. It explains how to visualize and summarize data, and how to find natural groups and frequent patterns in a dataset. The book also explores predictive tasks, be them classification or regression. Finally, the book discusses popular data analytic applications, like mining the web, information retrieval, social network analysis, working with text, and recommender systems. The learning resources offer: A guide to the reasoning behind data mining techniques. A unique illustrative example that extends throughout all the chapters. Exercises at the end of each chapter and larger projects at the end of each of the text's two main parts. Together with these learning resources, the book can be used in a 13-week course guide, one chapter per course topic. The book was written in a format that allows the understanding of the main data analytics concepts by non-mathematicians, non-statisticians and non-computer scientists interested in getting an introduction to data science. A General Introduction to Data Analytics is a basic guide to data analytics written in highly accessible terms.

When Tina S. meets April, a teenage runaway, she thinks she's found her best friend. She leaves behind her dysfunctional family to join April in the tunnels of Grand Central Station amidst the homeless and drug addicted. Soon she's bingeing on crack--just like April--and stealing, scamming and panhandling to support her habit and to survive on the streets. In her own words, she describes her descent into crack addiction, being raped in the tunnels, her several arrests and jail terms and her grief and guilt over the death of April, whom she'd come to love. Finally faced with the reality that she might not make it through one more day, Tina takes her first difficult steps towards a normal life. With the help of a homeless advocate and his wife, a gay uncle dying of AIDS, and the woman who was to become her co-author on this book, Tina turns her life around and makes her way back to the world of the living.

"Made in California is divided into five

twenty-year sections, each including a narrative essay discussing the history of that era and highlighting topics relevant to its visual culture."--BOOK JACKET.

Provides a history of Grand Central Terminal and its successful renovation

The Knowledge Seeker is a useful system to develop various intelligent applications such as ontology-based search engine, ontology-based text classification system, ontological agent system, and semantic web system etc. The Knowledge Seeker contains four different ontological components. First, it defines the knowledge representation model \mathcal{V} Ontology Graph. Second, an ontology learning process that based on chi-square statistics is proposed for automatic learning an Ontology Graph from texts for different domains. Third, it defines an ontology generation method that transforms the learning outcome to the Ontology Graph format for machine processing and also can be visualized for human validation. Fourth, it defines different ontological operations (such as similarity measurement and text classification) that can be carried out with the use of generated Ontology Graphs. The final goal of the KnowledgeSeeker system framework is that it can improve the traditional information system with higher efficiency. In particular, it can increase the accuracy of a text classification system, and also enhance the search intelligence in a search engine. This can be done by enhancing the system with machine processable ontology.

These proceedings represent the work of authors at the 13th European Conference on e-Government (ECEG 2013). The Conference this year is hosted by the University of Insubria in Como, Italy. The Conference Chair is Professor Walter Castelnovo and the Programme Chair is Professor Elena Ferrari, both are from the Department of Theoretical and Applied Sciences at the University of Insubria. The opening keynote address is given by Dr Gianluca Misuraca from the European Commission, Joint Research Centre, Institute for Prospective Technological Studies, Seville, Spain and Gianluca is addressing the topic "eGovernment: Past, Present & Future: A policy-research perspective for renewing governance in the digital age." The second day of the conference is opened by Dr Antonio Cordella from the London School of Economics, London, UK, who will talk about "Public value creation: the new challenge for e-government policies." ECEG brings together, researchers, Government officials and practitioners in the area of e-Government from around the world. Participants are able to share their research findings

and explore the latest developments and trends in the field which can then be disseminated to the wider community. With an initial submission of 153 abstracts, after the double blind, peer review process there are papers published in these Conference Proceedings from 40 countries including Australia, Austria, Belgium, Brazil, Canada, China, Costa Rica, Croatia, Denmark, Egypt, Germany, Greece, India, Iran, Iraq, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malaysia, Netherlands, New Zealand, Norway, Pakistan, Poland, Romania, Russia, Saudi Arabia, Serbia, Slovenia, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, Turkey, UK and USA. This will ensure a very interesting two days.

A comprehensive and detailed, step by step tutorial guide that takes you through important aspects of the Metasploit framework. If you are a penetration tester, security engineer, or someone who is looking to extend their penetration testing skills with Metasploit, then this book is ideal for you. The readers of this book must have a basic knowledge of using Metasploit. They are also expected to have knowledge of exploitation and an in-depth understanding of object-oriented programming languages.

This book should be considered a historical book, as it is the draughts' career of Baba Sy, a prominent Senegalese player. He was able to be the best in the world without reading any books. He had a natural talent and was a self-made man thanks to the game of checkers. I have witnessed the achievements of the great Baba Sy and I have been in the early stage of the great players like Harm Wiersma and Ton Sijbrands, on which I predicted in 1964 that they would be a future world champions. So I know the mentality that one must have to succeed in this mind sport. My 40 year stay in Spain and my research on the Moors permits me to know more about the Islamic custom. And so I am now in a much better position than 40 years ago to comment properly on the life of Baba Sy.

In the early years of the 20th century William Edward Boeing summed up his new company's mission: "To let no new improvement in flying and flying equipment pass us by." And sure enough, in the century since, nothing and no one has outflown Boeing. The Story of the Boeing Company, plane-maker to the world, unfolds on a fittingly grand scale in this book that is at once the history of one company and the story of an industry. Aviation author Bill Yenne follows Boeing from its modest beginnings in 1916 as Pacific Aero Products, with a single two-seater floatplane, to its present lofty position as the largest aeros-

pace company in the world. Lavishly illustrated, it showcases historic aircraft that made the company's name—the B-17s and B-29s of World War II to the 707 jetliner that revolutionized commercial flight; and the mammoth 747 to the B-52 Superfortress that still soldiers on over 50 years after its debut. All the moves and mergers are chronicled. 2nd ed.

This system-level approach to transceiver design covers digital communications principles for military applications and translating those concepts for commercial applications. Topics include link budget, receiver and transmitter specifications, modulation, and spread spectrum.

This book highlights recent developments in multidimensional data visualization, presenting both new methods and modifications on classic techniques. Throughout the book, various applications of multidimensional data visualization are presented including its uses in social sciences (economy, education, politics, psychology), environmental metrics, and medicine (ophthalmology, sport medicine, pharmacology, sleep medicine). The book provides recent research results in optimization-based visualization. Evolutionary algorithms and a two-level optimization method, based on combinatorial optimization and quadratic programming, are analyzed in detail. The performance of these algorithms and the development of parallel versions are discussed. The utilization of new visualization techniques to improve the capabilities of artificial neural networks (self-organizing maps, feed-forward networks) is also discussed. The book includes over 100 detailed images presenting examples of the many different visualization techniques that the book presents. This book is intended for scientists and researchers in any field of study where complex and multidimensional data must be represented visually.

A fascinating micro-history of NYC's subway system from LaGuardia's public works achievements in 1940 to the creation of the MTA in 1968. In 1940, New York Mayor Fiorello LaGuardia realized an ambitious plan to modernize the city's public transit. He eliminated streetcars, demolished old elevated lines, and unified the subway systems. From then on, the IRT, BMT, and IND became one system under public control. And by 1968, that system had transformed again, into the Metropolitan Transit Authority. From LaGuardia to Lindsay, mayors were desperate to appease voters, elected officials, transit management, and labor leaders. Meanwhile, the tumult of a changing America manifested in labor disputes, economic pressures, and civil rights protests. Though great efforts were made to keep prices down, the sacred nickel fare barrier was eventually broken. By 1968, a ride cost twenty cents. Featuring many photos never before published, *From a Nickel to a Token* deftly captures four decades and five boroughs of grit, chaos, egos, and emotions in the unending saga of New York's subway system.

Provides the background for the support of the public sector in space and gives the projects in current planning

This book provides solid, state-of-the-art contributions from both scientists and practitioners working on botnet detection and analysis, including botnet economics. It presents original theoretical and empirical chapters dealing with both offensive and defensive aspects in this field. Chapters address fundamental theory, current trends and techniques for evading detection, as well as practical experiences concerning detection and defensive strategies for the botnet ecosystem, and include surveys, simulations, practical results, and case studies.

"his book presents the main results of the European research project EUROFAMCARE. It provides an overview of the current situ-

ation of family carers of older people in six European countries in relation to the availability, use and acceptability of support services. The presented findings aim at aiding policy and decision-makers to understand the critical importance of family carers now and in the coming decades to improve their situation and to encourage them in their invaluable work of caring.

Covering an exhaustive range of information about the five boroughs, the first edition of *The Encyclopedia of New York City* was a success by every measure, earning worldwide acclaim and several awards for reference excellence, and selling out its first printing before it was officially published. But much has changed since the volume first appeared in 1995: the World Trade Center no longer dominates the skyline, a billionaire businessman has become an unlikely three-term mayor, and urban regeneration—Chelsea Piers, the High Line, DUMBO, Williamsburg, the South Bronx, the Lower East Side—has become commonplace. To reflect such innovation and change, this definitive, one-volume resource on the city has been completely revised and expanded. The revised edition includes 800 new entries that help complete the story of New York: from Air Train to E-Z-Pass, from September 11 to public order. The new material includes broader coverage of subject areas previously underserved as well as new maps and illustrations. Virtually all existing entries—spanning architecture, politics, business, sports, the arts, and more—have been updated to reflect the impact of the past two decades. The more than 5,000 alphabetical entries and 700 illustrations of the second edition of *The Encyclopedia of New York City* convey the richness and diversity of its subject in great breadth and detail, and will continue to serve as an indispensable tool for everyone who has even a passing interest in the American metropolis.